

FIG. 1A

PRIOR ART

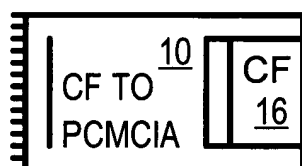


FIG. 1B

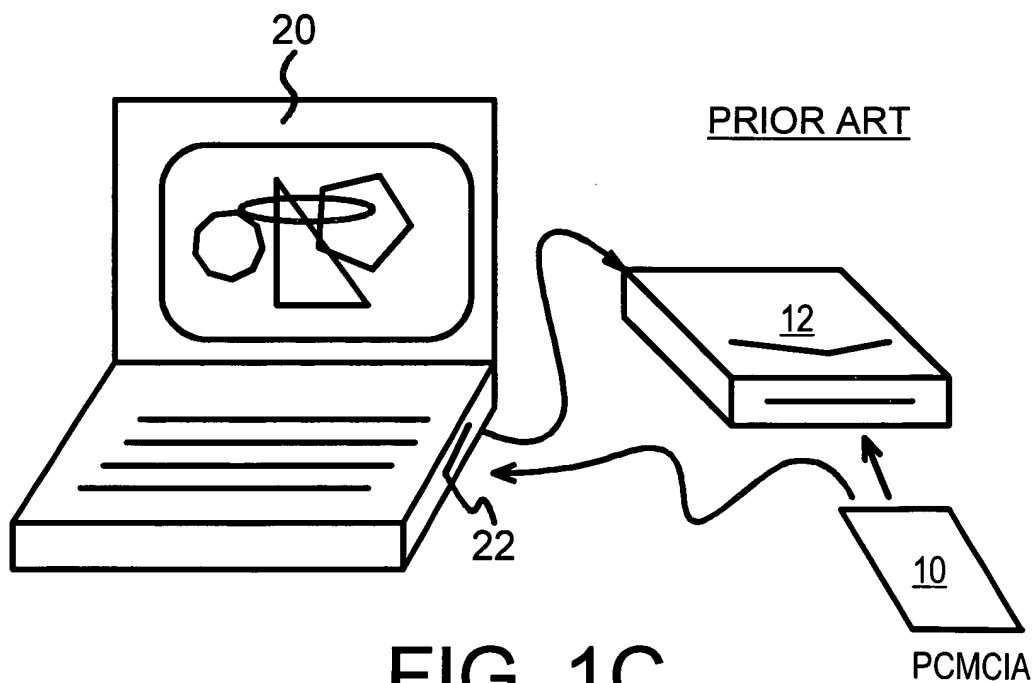
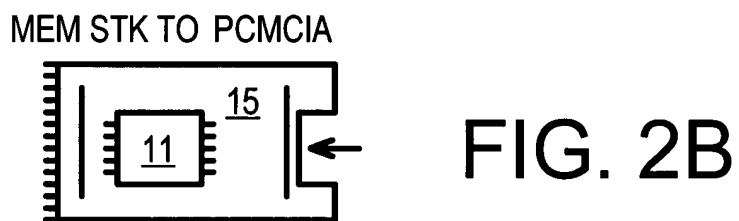
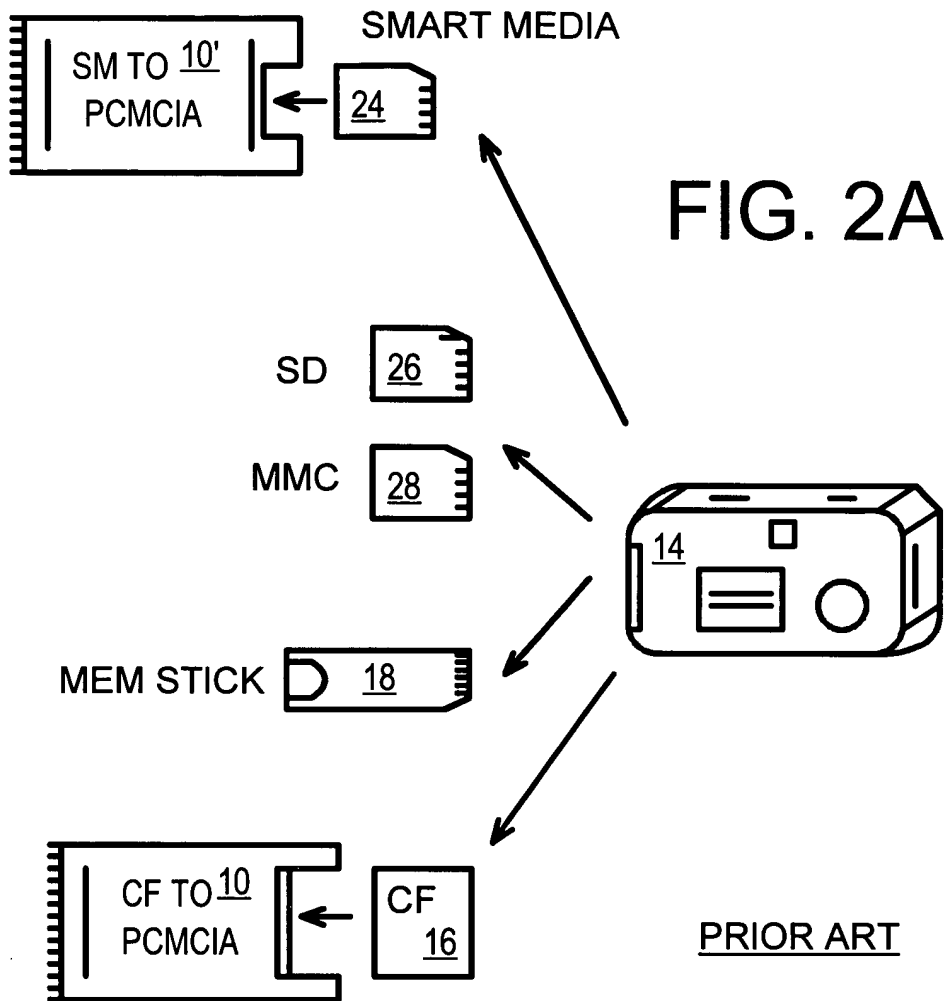


FIG. 1C

1003965-102901

1003965-10901



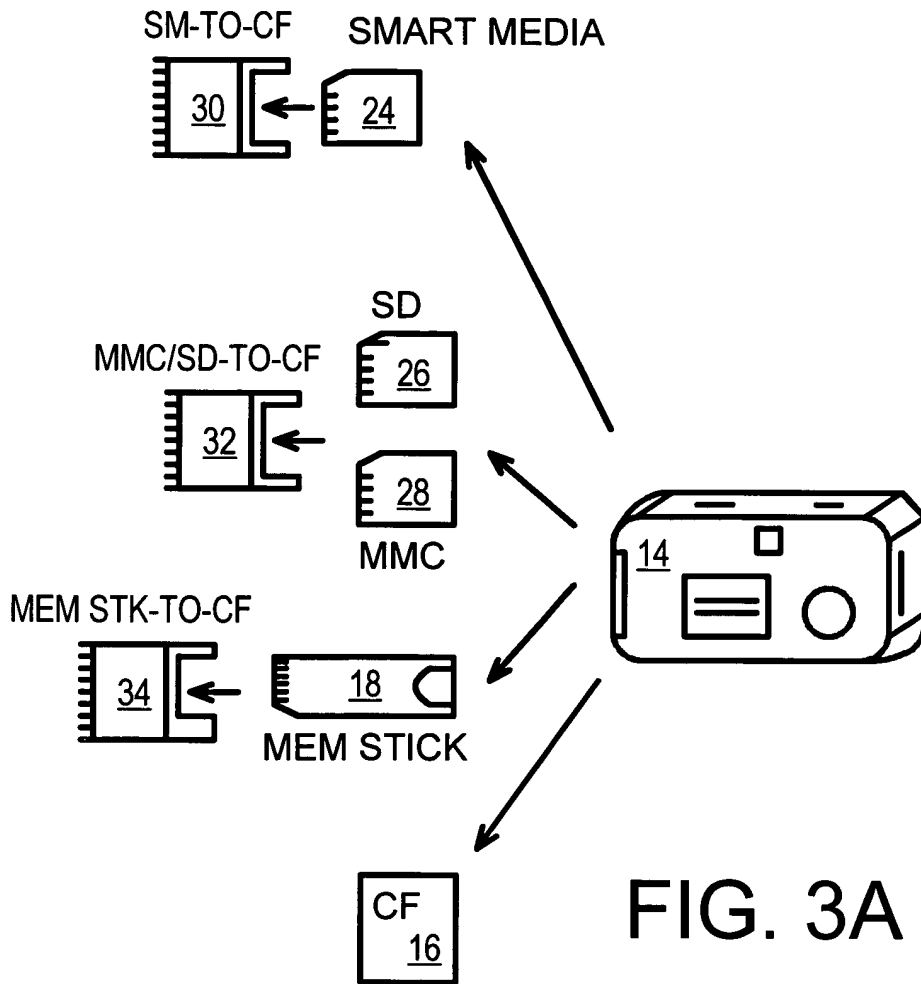


FIG. 3A

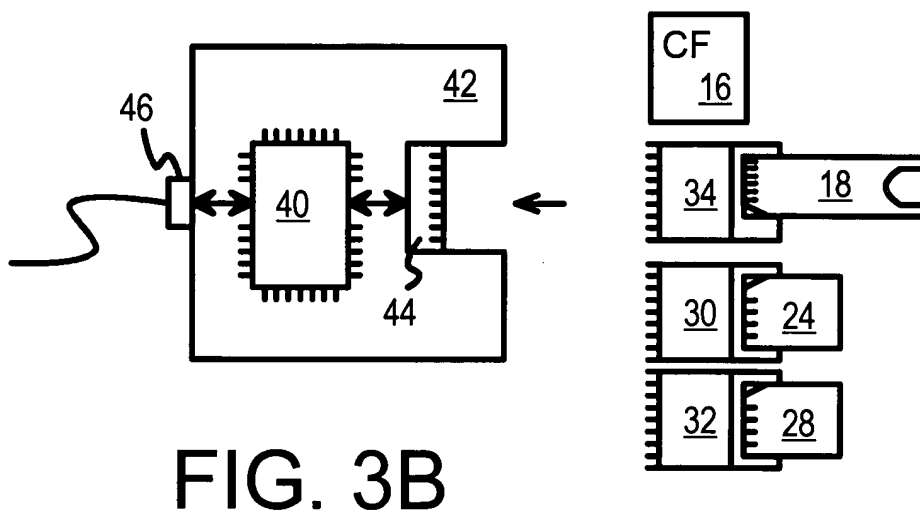


FIG. 3B

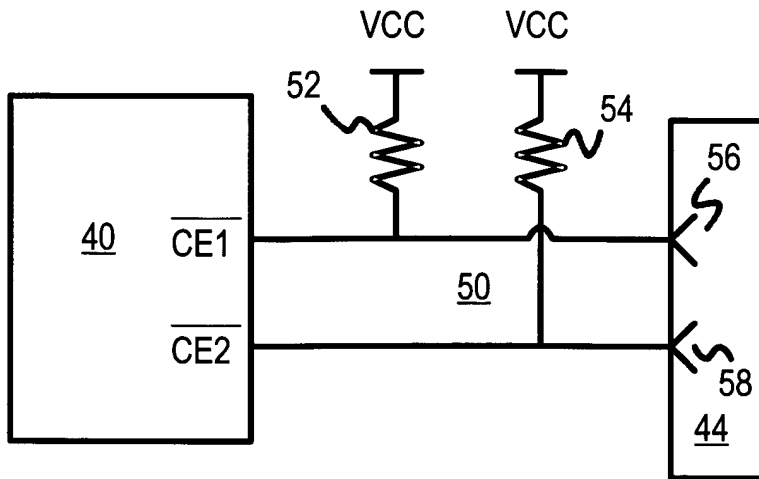


FIG. 4A

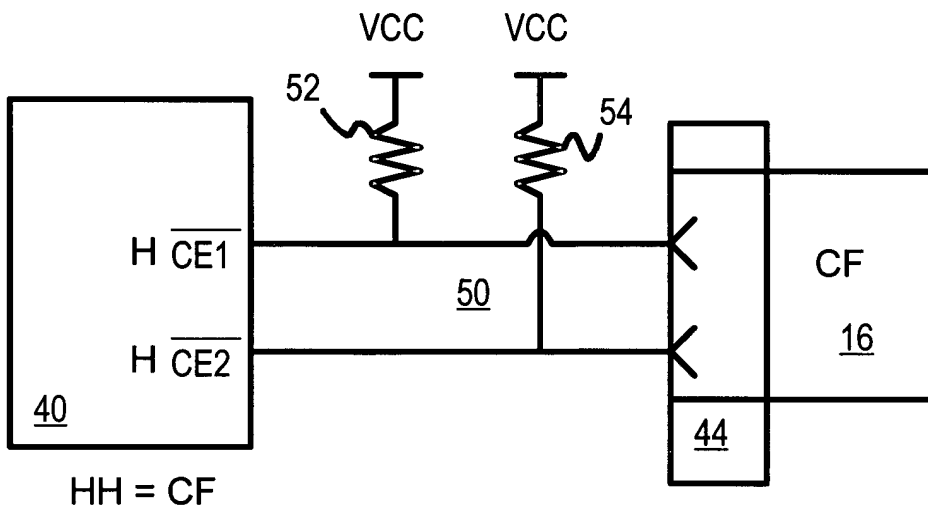
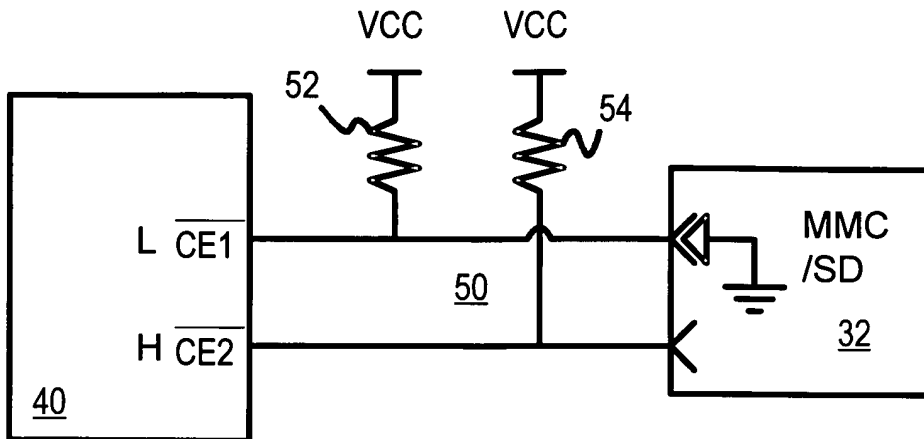


FIG. 4B

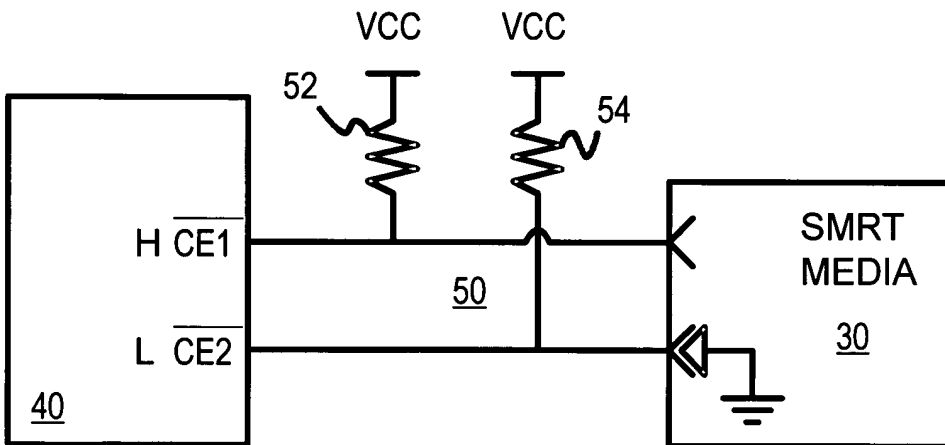
FIG. 4A

HH = CF



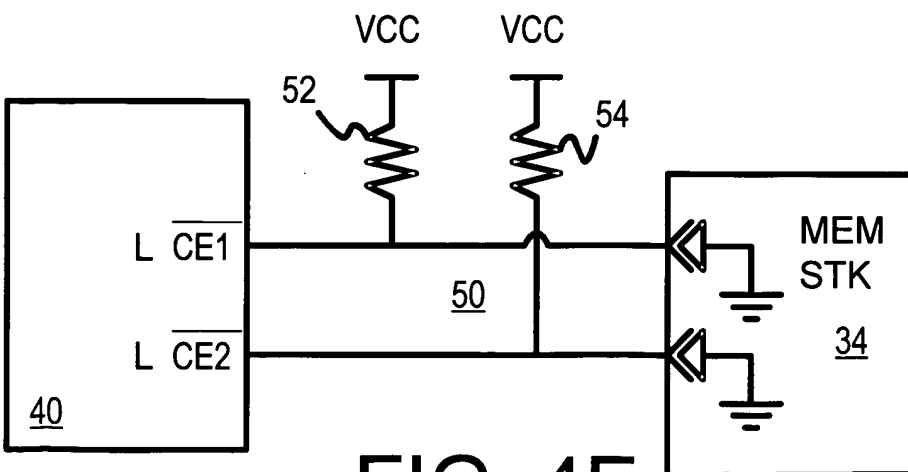
LH = MMC/SD

FIG. 4C



HL = SMRT MEDIA

FIG. 4D



LL = MEM STK

FIG. 4E

FIG. 4C

| Pin | CF | Smart Media | MMC/SD | Memory Stick |
|-----|----------|-------------|--------|--------------|
| 1 | Ground | Ground | Ground | Ground |
| 2 | D3 | D3 | --- | --- |
| 3 | D4 | D4 | --- | --- |
| 4 | D5 | D5 | --- | --- |
| 5 | D6 | D6 | --- | --- |
| 6 | D7 | D7 | --- | --- |
| 7 | -CE1 | -SMCS | --- | --- |
| 8 | A10 | --- | --- | --- |
| 9 | -OE | -OE | --- | --- |
| 10 | A9 | --- | --- | --- |
| 11 | A8 | --- | --- | --- |
| 12 | A7 | --- | --- | --- |
| 13 | Power | Power | Power | Power |
| 14 | A6 | CLE | | |
| 15 | A5 | ALE | | |
| 16 | A4 | READY | | |
| 17 | A3 | -WP | | |
| 18 | A2 | LVD | SERCLK | SERCLK |
| 19 | A1 | | DATAIO | DATAIO |
| 20 | A0 | | CMD | BITSET |
| 21 | D0 | D0 | | |
| 22 | D1 | D1 | | |
| 23 | D2 | D2 | | |
| 24 | --- | --- | --- | --- |
| 25 | -CD2 | -CD2 | -CD2 | -CD2 |
| 26 | -CD1 | -CD1 | -CD1 | -CD1 |
| 27 | D11 | --- | --- | --- |
| 28 | D12 | --- | --- | --- |
| 29 | D13 | --- | --- | --- |
| 30 | D14 | --- | --- | --- |
| 31 | D15 | --- | --- | --- |
| 32 | -CE2 | --- | --- | --- |
| 33 | --- | --- | --- | --- |
| 34 | tie high | --- | --- | --- |
| 35 | tie high | --- | --- | --- |
| 36 | -WE | -WE | --- | --- |
| 37 | INTRQ | --- | --- | --- |
| 38 | Power | Power | Power | Power |
| 39 | --- | --- | --- | --- |
| 40 | --- | --- | --- | --- |
| 41 | RESET | --- | --- | --- |
| 42 | --- | --- | --- | --- |
| 43 | --- | --- | --- | --- |
| 44 | -REG | --- | --- | --- |
| 45 | --- | --- | --- | --- |
| 46 | --- | --- | --- | --- |
| 47 | D8 | --- | --- | --- |
| 48 | D9 | --- | --- | --- |
| 49 | D10 | --- | --- | --- |
| 50 | Ground | Ground | Ground | Ground |

FIG. 5

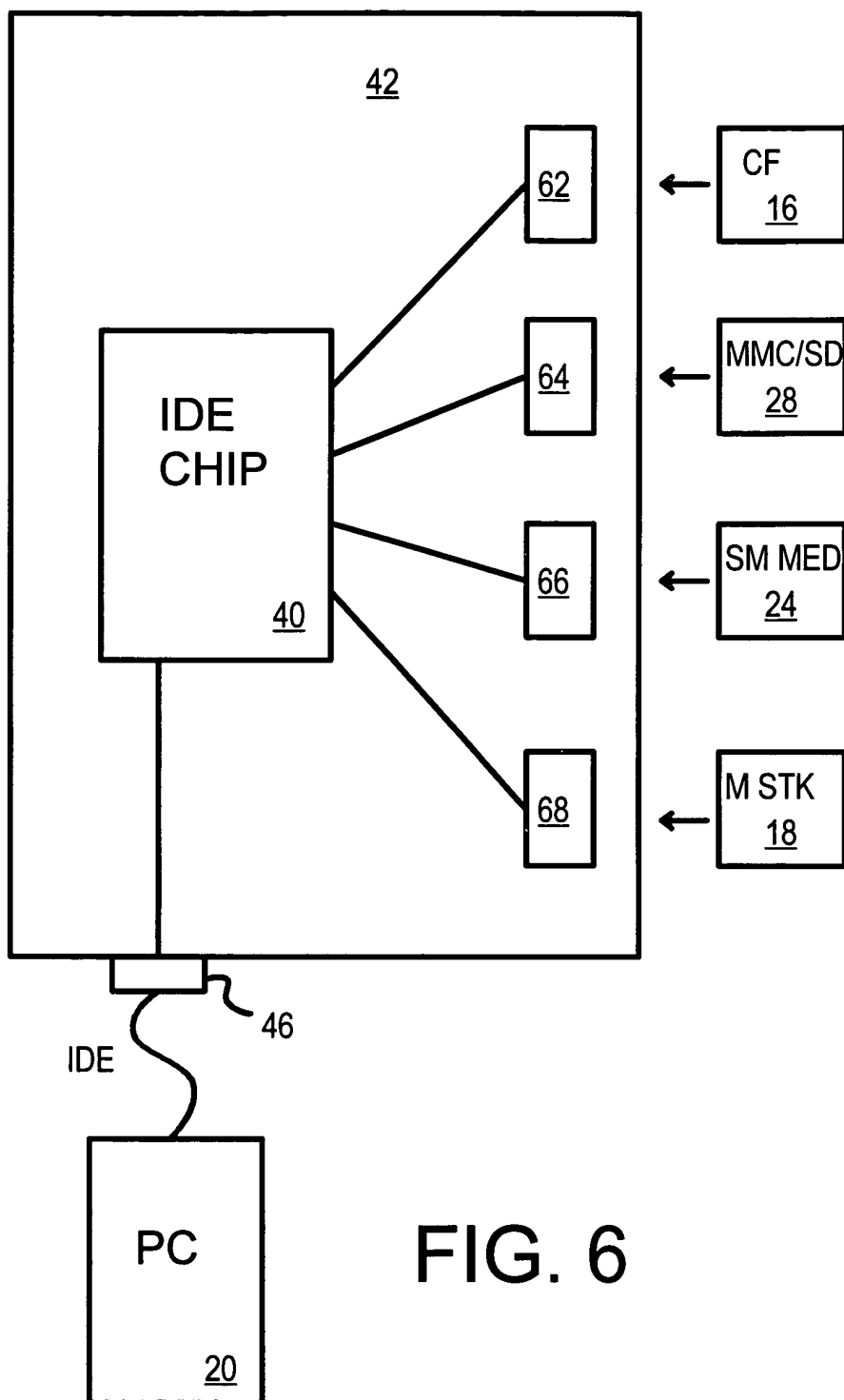


FIG. 6

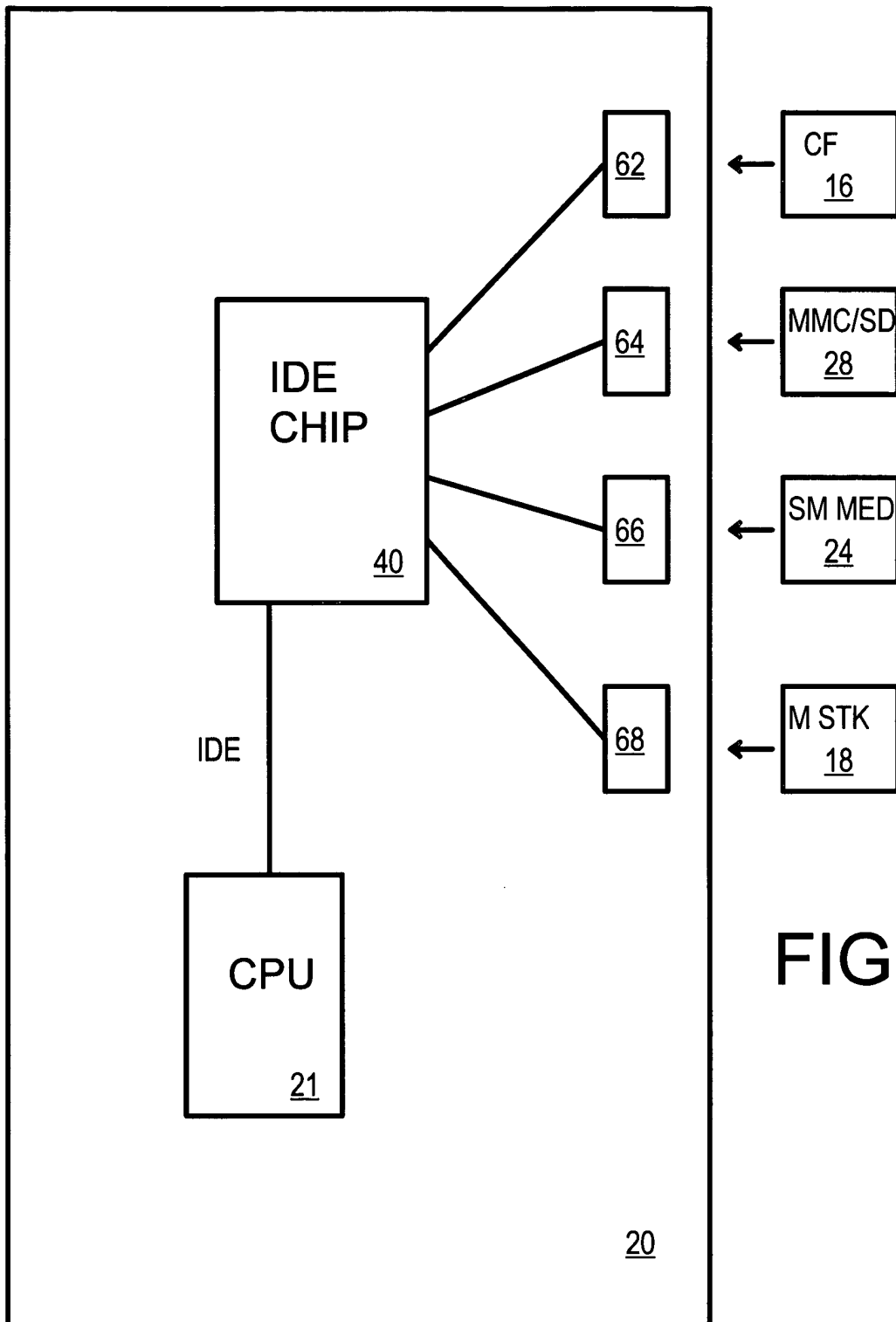


FIG. 7

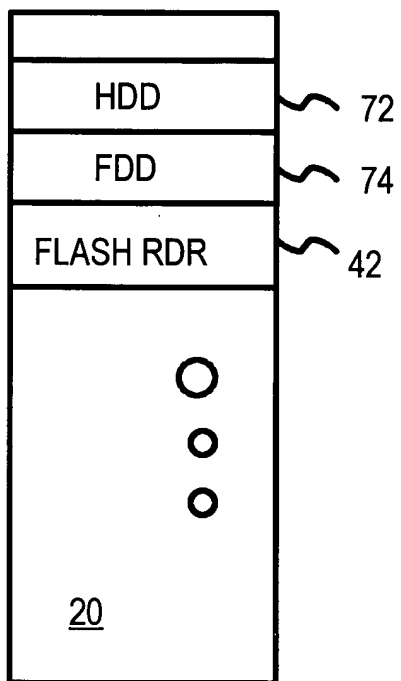


FIG. 8

10039685-102901

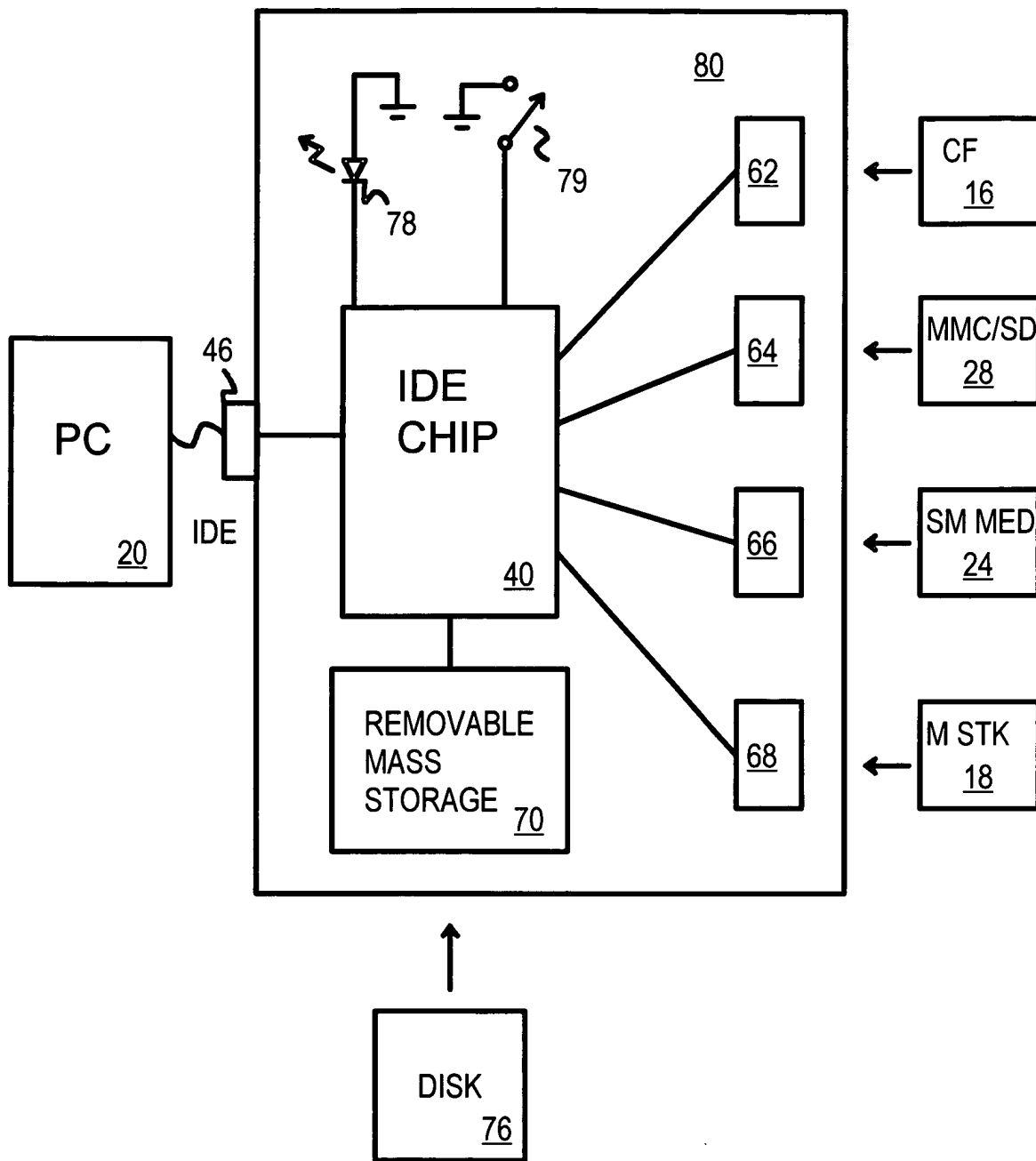


FIG. 9

FIG. 10

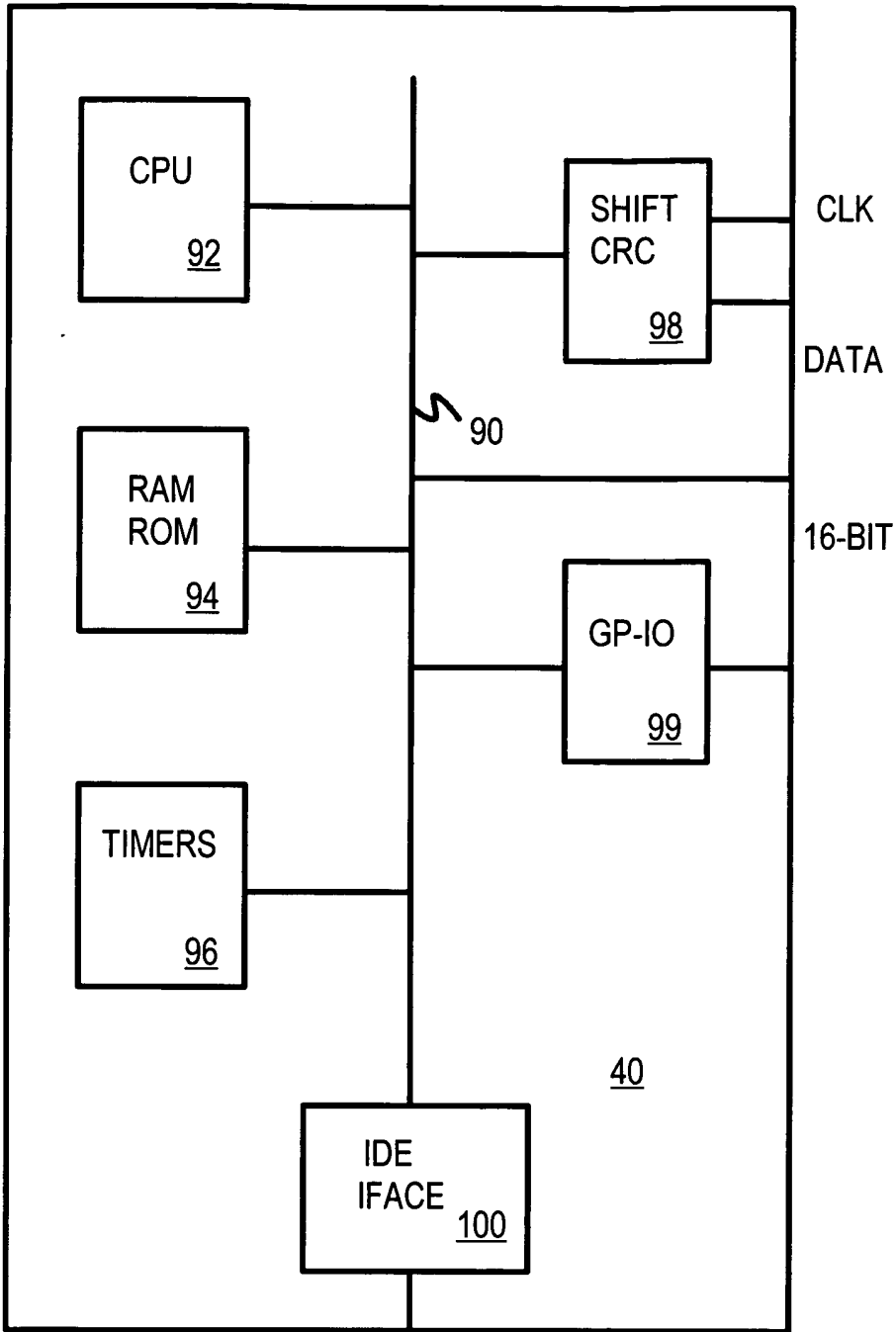


FIG. 10